

ORDER FOR SUPPLIES OR SERVICES										PAGE OF PAGES	
										1	5
IMPORTANT: Mark all packages and papers with contract and/or order numbers.											
1. DATE OF ORDER 03/30/2020		2. CONTRACT NO. (If any) 68HERC20D0016				6. SHIP TO:					
3. ORDER NO. 68HERC20F0183		4. REQUISITION/REFERENCE NO. PR-OW-20-00137				a. NAME OF CONSIGNEE  CAD					
5. ISSUING OFFICE (Address correspondence to) CAD  US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001						b. STREET ADDRESS US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136					
						c. CITY Cincinnati				d. STATE OH	e. ZIP CODE 45268-0001
7. TO: Andrew Parker						f. SHIP VIA					
a. NAME OF CONTRACTOR TETRA TECH, INC.						8. TYPE OF ORDER  <input type="checkbox"/> a. PURCHASE REFERENCE YOUR:    Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.					
b. COMPANY NAME											
c. STREET ADDRESS 10306 EATON PL STE 340						Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.					
d. CITY FAIRFAX				e. STATE VA	f. ZIP CODE 220302201						
9. ACCOUNTING AND APPROPRIATION DATA See Schedule						10. REQUISITIONING OFFICE OW					
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB										12. F.O.B. POINT	
13. PLACE OF				14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 03/29/2021			16. DISCOUNT TERMS		
a. INSPECTION Destination		b. ACCEPTANCE Destination									
17. SCHEDULE (See reverse for Rejections)											
ITEM NO. (a)	SUPPLIES OR SERVICES (b)				QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)		
	DUNS Number: 198549560 TOCOR: Shamina Akhter Max Expire Date: 12/02/2024 Invoice Approver: Shamina Akhter Alt Invoice App: Lesley DAnglada  Continued ...										
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT			19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		\$305,414.76		17(h) TOTAL (Cont. pages) ▲	
	21. MAIL INVOICE TO:										
	a. NAME RTP Finance Center										
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts										
c. CITY Durham			d. STATE NC		e. ZIP CODE 27711		\$459,306.65		17(i) GRAND TOTAL ▲		
22. UNITED STATES OF AMERICA BY (Signature)  03/30/2020  Donna Reinhart						23. NAME (Typed) Donna Reinhart TITLE: CONTRACTING/ORDERING OFFICER					

## ORDER FOR SUPPLIES OR SERVICES

PAGE NO

## SCHEDULE - CONTINUATION

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER		CONTRACT NO.		ORDER NO.		
03/30/2020		68HERC20D0016		68HERC20F0183		
ITEM NO.	SUPPLIES/SERVICES	QUANTITY ORDERED	UNIT	UNIT PRICE	AMOUNT	QUANTITY ACCEPTED
(a)	(b)	(c)	(d)	(e)	(f)	(g)
0001	Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 03/30/2020 to 03/29/2021  Work to be completed is contained in the Performance Work Statement.  Accounting Info: 19-20-B-28H-000B53X28-2505-2028CHH006-001 BFY: 19 EFY: 20 Fund: B Budget Org: 28H Program (PRC): 000B53X28 Budget (BOC): 2505 DCN - Line ID: 2028CHH006-001 Funding Flag: Complete Funded: \$61,857.10 Accounting Info: 19-20-B-28H-000BD4X20-2505-2028CHH006-002 BFY: 19 EFY: 20 Fund: B Budget Org: 28H Program (PRC): 000BD4X20 Budget (BOC): 2505 DCN - Line ID: 2028CHH006-002 Funding Flag: Complete Funded: \$130,000.00 Accounting Info: 20-21-B-28H-000B53X28-2505-2028CHH006-003 BFY: 20 EFY: 21 Fund: B Budget Org: 28H Program (PRC): 000B53X28 Budget (BOC): 2505 DCN - Line ID: 2028CHH006-003 Funding Flag: Complete Funded: \$81,830.79 Accounting Info: 20-21-B-28H-000BD4X20-2505-2028CHH006-004 BFY: 20 EFY: 21 Fund: B Budget Org: 28H Program (PRC): 000BD4X20 Budget (BOC): 2505 DCN - Line ID: 2028CHH006-004 Funding Flag: Complete Funded: \$31,726.87  Continued ...				305,414.76	
TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))					\$305,414.76	

ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION

PAGE NO  
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER  
03/30/2020

CONTRACT NO.  
68HERC20D0016

ORDER NO.  
68HERC20F0183

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

## **SECTION B - Supplies or Services/Prices**

### **B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION**

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line items 0001 through 0001 are severable and may be incrementally funded. For these items, the sum of \$305,414.76 of the total price is presently available for payment and allotted to this contract.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:



RECAPITULATION:

**RECAPITULATION OF FUNDING TO DATE BY TASK ORDER PERIOD**  
**CONTRACT NO. 68HERC20D0016**  
**TASK ORDER NO. 68HERC20F0183**

**Period of Performance - FROM 3/26/2020 through 3/25/2021**

<b><u>FUNDING ACTION</u></b>	<b><u>FUNDING</u></b>
<b>Total Task Order Funding:</b>	\$ 459,306.65
Initial Incremental Funding:	\$ 305,414.76
Balance Unfunded	\$ 153,891.89

**SECTION F - Deliveries or Performance**

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The period of performance of this Task Order shall be from 3/30/2020 through 3/29/2021 inclusive of all required reports.

**SECTION G - Contract Administration Data**

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Shamima Akhter, 202-566-1341, [Akhter.shamima@epa.gov](mailto:Akhter.shamima@epa.gov) (TOCOR)

Lesley DAnglada, 202-566-1125, [DAnglada.Lesley@epa.gov](mailto:DAnglada.Lesley@epa.gov) (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Donna Reinhart, 513-487-2114, [reinhart.donna@epa.gov](mailto:reinhart.donna@epa.gov) (Contracting Officer)

Matthew Huber, 513-569-7195, [huber.matthew@epa.gov](mailto:huber.matthew@epa.gov) (Contract Specialist)

**PERFORMANCE WORK STATEMENT**

**Contractor: Tetra Tech**

**Contract No. 68HERC20D0016**

**Task Order TBD**

**A. TITLE: Technical Support for Development of Human Health and Aquatic Life Water Quality Criteria**

**B. Task Order Contracting Officer Representative (TOCOR)**

NAME: Shamima Akhter

OFFICE/DIVISION: Office of Water/Office of Science and Technology/Health and Ecological Criteria Division 4304(T)

TITLE: Microbiologist

PHONE: 202-566-1341

FAX: 202-566-1140

E-MAIL: [Akhter.shamima@epa.gov](mailto:Akhter.shamima@epa.gov)

**Alternate TOCOR (ALTTOCOR)**

NAME: Lesley DAnglada

OFFICE/DIVISION: Office of Water/Office of Science and Technology/Health and Ecological Criteria Division (4304T)

TITLE: Microbiologist

PHONE: 202-566-1125

FAX: 202-566-1140

E-MAIL: [DAnglada.Lesley@epa.gov](mailto:DAnglada.Lesley@epa.gov)

**PERIOD OF PERFORMANCE:** Date of award through 12 months

**Level of Efforts (LOE): 2172**

**C. TASKS:**

**TASK 1 – Monthly Progress Reports**

In accordance with Contract attachment 3, reports of Work, this task includes monthly progress and financial reports. The monthly progress report shall indicate, in a separate QA section, whether significant QA issues have been identified and how they are being resolved. Monthly financial reports shall include a table with the invoice and costs broken out by the tasks in this task order.

**TASK 2 – Quality Assurance**

This task order requires the use of only existing data. This Quality Assurance Section only applies to Subtask F of Task 3. The tasks in this Performance Work Statement (PWS) require the use of secondary data/analyses, model application and fall under the scope of the approved contract-level quality assurance project plan (QAPP) (EP-C-11-009; WA # 4-60) and the supplemental quality assurance project plan (QAPP) Number 403 (Revision 2) (EP-C-14-016, WA# 1-15), February 16, 2016. Consistent with the Agency's quality assurance (QA) requirements, the contractor shall assure the quality and analyses of the secondary data to be used under this task order.

Any additional quality assurance requirements shall be addressed in the cost proposal and monthly progress reports and, if needed, be covered by a task order-specific QAPP supplement, which shall be approved by the EPA TOCOR & HECD QA Coordinator (QAC) before activities covered by the additional QA requirements through-out performance of Subtask F of this task order.

Subtask F in this TO requires the use of secondary data and shall be implemented in accordance with approved project-specific QAPP (EP-C-11-009; WA # 4-60) and the supplemental quality assurance project plan (QAPP) Number 403 (Revision 2) (EP-C-14-016, WA# 1-15), February 16, 2016 to assure that the quality of the primary or secondary data and analyses (including modeling and statistical analyses) are accurate and correct.

#### Subtask 2.1: Information Quality Guidelines & Information Quality Review

The contractor shall ensure the products developed under this work assignment comply with the EPA Information Quality Guidelines and shall complete the Checklist for Influential Information as needed for each deliverable from this task order as they may be used in Agency decision-making and/or will be publicly available documents <http://www.epa.gov/quality/informationguidelines/>. The TOCOR will provide the checklist to the contractor. The contractor shall provide a memorandum describing how the planned product(s) developed meet EPA's Information Quality Guidelines checklist. As part of that memo, the contractor shall document the quality assurance procedures it used in developing the deliverables under this task order. The contractor shall provide the memo at the time it delivers the Final Summary Report. As requested by the TOCOR, the contractor shall have a teleconference with the TOCOR to discuss the Guidelines and the contractor's role in completing the checklist.

### **TASK 3 – Provide Technical Support**

**Background:** In June 2015, EPA published final updated ambient water quality criteria for the protection of human health for 94 chemical pollutants. Ambient water quality criteria developed by EPA under Clean Water Act section 304(a) represent specific levels of chemicals or conditions in a water body that are not expected to cause adverse effects to human health. EPA is required to develop and publish water quality criteria that reflect the latest scientific knowledge. These revised human health criteria to reflect the latest scientific information, including updated exposure factors (body weight, drinking water consumption rates, fish consumption rate), bioaccumulation factors, and toxicity factors (reference dose, cancer slope factor). The criteria were updated to follow the current EPA methodology for deriving human health criteria (USEPA 2000). EPA also developed chemical specific science documents for each of the 94 chemical pollutants. The science documents detail the

latest scientific information supporting the updated final human health criteria, particularly the updated toxicity and exposure input values.

Due to outstanding technical issues, EPA did not update human health criteria for the following chemical pollutants at this time: antimony, arsenic, asbestos, barium, beryllium, cadmium, chromium (III and VI), copper, manganese, methylmercury, nickel, nitrates, nitrosamines, N-nitrosodibutylamine, N-nitrosodiethylamine, N-nitrosopyrrolidine, N-nitrosodimethylamine, N-nitrosodipropylamine, N-nitrosodiphenylamine, polychlorinated biphenyls (PCBs), selenium, thallium, zinc, or 2,3,7,8-TCDD (dioxin).

**Task Description:** The contractor shall provide technical support for subtask 3.F as described in this PWS. This includes collection and evaluation of the state-of-the-science for specific contaminants and development of human health water quality criteria. Specific activities shall include conducting literature searches and performing systematic reviews; synthesizing evidence from peer reviewed literature and guideline studies to support hazard identification and dose-response modeling for specific contaminants and groups of contaminants; synthesizing evidence from peer reviewed literature, reports and databases to support human health risk and exposure assessments, including occurrence and prevalence of pollutants and routes of exposure; providing technical support in dose-response modeling and statistical analyses of exposure, toxicity and human health data to derive reference values; assessing the potential impact of contaminants on sensitive populations/life-stages in humans; preparing human health risk assessment documents; evaluating distributional or probabilistic approaches for criteria development; responding to Agency and external reviewers' comments; assisting and conducting webinars/workshops; and developing communication materials and Federal Register notices in supporting OST/HECD's mission in evaluating contaminants to protect public health.

The Contractor shall perform the specific tasks in the PWS in accordance with the appropriate EPA risk assessment guidance and science policy guidance (e.g., 2000 Methodology for Deriving Ambient Water Quality Criteria for the Protection of Human Health, 2005 Guidelines for Carcinogenic Risk Assessment, 1985 etc.  
<https://www.epa.gov/wqc/methodology-deriving-ambient-water-quality-criteria-protection-human-health-2000-documents>  
<https://www.epa.gov/risk/guidelines-carcinogen-risk-assessment>  
[https://nepis.epa.gov/Exe/ZyNET.exe/30004TZX.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2000+Thru+2005&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C00thru05%5CTxt%5C00000002%5C30004TZX.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL\).](https://nepis.epa.gov/Exe/ZyNET.exe/30004TZX.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2000+Thru+2005&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C00thru05%5CTxt%5C00000002%5C30004TZX.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL).)

**Subtask 3. F:** The Contractor shall prepare, evaluate, and revise technical support documents for the development of human health ambient water quality criteria. These documents shall include hazard identification, metabolism, exposure assessment, mode of action analysis, dose-response modeling,

susceptibility/sensitivity and uncertainty analysis and risk characterization of contaminants to develop human health criteria for various water media (e.g., surface water and drinking water). Additionally, the Contractor shall identify and include information on effective risk management practices and risk reduction approaches when available. The contractor shall evaluate the literature and using EPA methodology determine the appropriate relative source contribution, bioaccumulation factors, and toxicity factors (reference dose, cancer slope factor). EPA has done a preliminary evaluation for updated toxicity values that can be shared.

The contractor shall develop updated ambient water quality criteria for the 24 contaminants (Arsenic, Antimony, Asbestos, Barium, Beryllium, Cadmium, Chromium III, Chromium VI, Copper, Manganese, Methylmercury, Nickel, Nitrate, Nitrosamines, N-nitrosodibutylamine, N-nitrosodiethylamine, N-nitrosodimethylamine, N-nitrosodi-n-propylamine, N-nitrosodiphenylamine, N-nitrosopyrrolidine, Polychlorinated biphenyls (PCBs), Thallium, Selenium, Zinc, 2,3,7,8-TCDD (dioxin) that were not addressed in EPA's 2015 update.

The contractor shall develop chemical-specific science documents for each of the 24 chemical pollutants. The science documents shall detail the latest scientific information supporting the updated final human health criteria, particularly the updated toxicity and exposure input values described in the June 2015 update (body weight, drinking water consumption rates, fish consumption rate).

Additionally, the contractor shall provide support to EPA with developing its pre-Contaminant Candidate List 5 (PCCL5), performing data extraction from studies and assessments, and with developing technical documents for CCL4. Support performing QC reviews of health effects documents and reviewing statistical calculations.

**Subtask 3.F.1:** In addition to the tasks described under Subtask 3.F of Task order TBD, the contractor shall perform the following tasks related to calculating national bioaccumulation factors (BAFs) to support the development of updated human health ambient water quality criteria (HH-AWQC) for the contaminants that were not addressed in EPA's 2015 update:

- Evaluate the variability of BAF and BCF values from literature that the contractor has screened for use in supporting the development of HH-AWQC.
- Perform correlations of metals concentrations and applicable parameters recommended in EPA's (2007) *Framework for Metals Risk Assessment* for discussion with EPA.
- Once final draft BAFs are developed and reviewed by EPA, provide support to EPA in developing a spreadsheet and description of these BAF calculations for public comment.
- Provide support to EPA in responding to public comments received on the final draft BAFs, and preparing final BAF values and documentation to support developing final HH-AWQC.
- Prepare ADA 508-compliant versions of final criteria documents.
- Develop a final BAF calculation spreadsheet and companion document for the updated 24 criteria chemicals.
- Complete literature review and perform BAF calculations for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS).

The contractor shall assist the TOCOR in response to comments and revisions to technical support documents for the development of human health ambient water quality criteria.

**Technical Editing:** The contractor shall provide technical editing of varying degrees. The contractor shall review reports for subtask F of task 3 to ensure correct grammar, spelling, and punctuation; consistency of capitalization, spelling, and hyphenation; agreement of subjects and verbs; check materials, especially tables, figures, units of measure, headings, etc. for consistency of style and format; check placement of tables and figures; and many other details of style. The Contractor shall cross-check references cited in the document to ensure that only those references are included in the reference list. References in the reference list shall be reviewed to ensure that they are complete, accurate, and properly formatted.

The contractor shall make any necessary revisions and/or formatting corrections to documents. The contractor shall use features of MS Word as needed (e.g., indexing, generated Table of Contents, styles, text art, graphics, etc.). Placement of figures and tables, pagination, and visual checks of page layout shall be completed before a document is submitted to the EPA. Revisions made to documents shall be proofread to ensure consistency and accuracy.

- Technical Edits for GenX and Perfluorobutane Sulfonic Acid (PFBS) Toxicity Values Documents
- Once given direction from EPA that the MS Word versions of the GenX and PFBS documents are final, the contractor shall convert the MS Word documents to 508-compliant PDF files.

**Technical Editing of Non-PFAS Related Assessments:** The contractor shall provide technical editing of varying degrees to non-PFAS related assessments. The contractor shall review reports provided by EPA to ensure correct grammar, spelling, and punctuation; consistency of capitalization, spelling, and hyphenation; agreement of subjects and verbs; check materials, especially tables, figures, units of measure, headings, etc. for consistency of style and format; check placement of tables and figures; and check many other details of style. The contractor shall cross-check references cited in the document to ensure that only those references are included in the reference list. References in the reference list shall be reviewed to ensure that they are complete, accurate, and properly formatted.

- The contractor shall make any necessary revisions and/or formatting corrections to non-PFAS related assessments. The contractor shall use features of MS Word as needed (e.g., indexing, generated Table of Contents, styles, text art, graphics). Placement of figures and tables, pagination, and visual checks of page layout shall be completed before a document is submitted to EPA. Revisions made to documents shall be proofread to ensure consistency and accuracy. The TOCOR shall provide the specific details of the technical support needed through technical direction to the contractor.

#### **TASK 4 – Provide Summary Reports and Presentations**

**Background:** Pre-decisional processes require the collection and analysis of in-depth and issue-specific technical research and analysis. The information is often needed in a summarized format to give progress updates to internal management.

**Task Description:** The contractor shall provide a variety of summary materials for the purpose of presenting information to and briefing internal management. Given the case-specific nature of these requests, additional details/information regarding what these deliverables shall look like will be provided via written technical direction. All final documents delivered shall be ADA 508-compliant in MS Word, PDF, PowerPoint, Excel or other format as directed via written technical direction by the TOCOR.

Subtask A. Fact Sheets

Subtask B. Visual Media

## **TASK 5 - Assist with Communication and Outreach**

The contractor shall assist with efforts to communicate information about water quality standards-related actions to the public and key stakeholders. This includes development of communication strategies that identify target audiences, messages to reach those audiences, and products appropriate for each audience, in addition to identifying distribution mechanisms, and evaluating outreach efforts.

### **Sub Task 5.1: Assist and conduct five (5) webinars, one (1) workshop and prepare two (2) newsletters under this current performance period**

The contractor shall provide logistics support for five (3) webinars, two (2) newsletters, and one (1) workshop under this current performance period. The dates for these webinars, newsletter, and workshop are still to be determined.

#### **Webinar Support:**

The contractor shall provide support to the EPA TOCOR with:

##### **1. Pre-webinar**

The contractor shall develop for each webinar the following materials:

- Webinar announcement;
- Contact presenters (12-15 presenters) and request short biography and presentation materials;
- Set up the Adobe webinar with agenda (provided by the TOCOR), and presentation materials.
- Set up and provide support for a webinar dry run with speakers.

The contractor shall provide the EPA TOCOR with the above materials for review and approval. Based on the TOCOR's comments, through written technical direction, the contractor shall develop the Final Preliminary Agenda, Announcement and Pre-Registration.

The Final Preliminary Agenda, Announcement and Pre-Registration shall be reviewed by the Contractor to assure accuracy of information and shall contain no typographical errors and sent electronically to all members and invited speakers.

The TOCOR will provide the contractor a list of items for the final agenda. The contractor shall format the final agenda for the meeting. The Contractor shall provide the TOCOR a draft of the



agenda for review and approval. Based on the TOCOR's written comments, the contractor shall develop the final agenda.

The final agenda shall be reviewed by the contractor to assure accuracy of information and typographical errors.

## **2. Webinar**

The contractor shall provide logistics support throughout the webinar to:

- Provide the logistics at the beginning of the webinar;
- Muting and unmuting the phone lines;
- Record presentations and discussions for the post-meeting report.

## **3. Post-webinar**

- The contractor shall deliver a draft meeting summary which shall include transcript of audio-taping and the notes taken from the meeting. The TOCOR will review the draft summary and provide comments to the contractor. After incorporating the TOCOR's comments, the contractor shall distribute the draft meeting summary to the speakers for review before finalizing the meeting summary report. The contractor shall produce a final draft based on the TOCOR's and the speakers written comments. The contractor shall send a copy of the final draft electronically, in the format specified, to the TOCOR. After receiving comments from the TOCOR, the contractor shall finalize the Meeting Summary Report. The summary reports shall be 508 compliant

## **Newsletter Support:**

4. The contractor shall provide support to the TOCOR with developing two (2) 508-compliant newsletters. The contractor shall develop draft summaries and include information provided by webinar speakers, states, tribes, and EPA in the newsletter. The contractor shall submit several interim drafts (frequency to be determined in consultation with the TOCOR) and a draft final version of the MS version of the newsletter for EPA review. Once given direction from EPA that the MS Word version of the newsletter is final, the contractor shall convert the MS Word document to a 508-compliant PDF file.

## **Workshop Support:**

The contractor shall assist TOCOR with:

### **5. Pre-workshop**

- The contractor shall contact non-federal speakers (7-10 speakers) and coordinate their travel arrangements (hotel and air travel). The contractor shall provide TOCOR rough estimates for approval before contacting speakers.
- Hotel arrangements shall be done with the hotel chosen by the Workshop organizers, and the airfare shall be done by the most direct and least expensive economy class airfare.
- The TOCOR will provide workshop materials such as Agenda, workshop information sheet, list of participants and presenter biographies, resource list and evaluation form) for printing and package preparation.



- The contractor shall send via email the 2.5 days workshop materials to the EPA Regional representative or meeting location (Region 2 (NJ or NY) or Region 3 (Philadelphia)).
- The contractor shall develop discussion questions and other meeting preparation materials for TOCOR approval; upon TOCOR approval, the contractor shall distribute these materials to meeting attendees.
- The contractor shall provide meeting facilitation support.
- The contractor shall assist with mailing any materials as appropriate

## **6. Workshop**

- The contractor shall provide technical support for speakers presenting online (through Adobe webinar), as stated above.
- The contractor shall deliver a draft meeting summary notes taken from the meeting that includes responses to discussion questions, attendee biographies, and presentations as applicable. The TOCOR shall review the draft summary and provide comments to the contractor. After incorporating the TOCOR's comments, the contractor shall distribute the draft meeting summary to the speakers for review before finalizing the meeting summary report. The contractor shall produce a final draft based on the TOCOR's and the speakers written comments. The contractor shall send a copy of the final draft electronically, in the format specified, to the TOCOR. After receiving comments from the TOCOR, the contractor shall finalize the Meeting Summary Report. The summary report shall be 508 compliant.

### **Sub Task 5.2 – Toxics Workshop Support:**

The contractor shall continue to provide logistics support for and one (1) Pilot Toxics Outreach Workshop and up to two (2) subsequent refined Toxics Outreach Workshops under this current performance period. The dates for these workshops are still to be determined.

### **Sub Task 5.2.a Pilot Outreach Workshop**

#### **7. Work already completed for the Pilot Outreach Workshop:**

- Agenda planning:
  - Facilitate meetings with regional counterparts to develop draft agenda
  - Help with details of agenda
  - Help planning format of State Round-Table, discussion questions
  - Support planning for training sessions
- Logistical pre-work
  - Contacted hotels about availability and present options
  - Developed list of dining options for welcome packet
  - Planned initial meet and greet locations

#### **8. Pre-workshop planning for the Pilot Outreach Workshop**

- The contractor shall continue supporting the TOCOR with the following pre-workshop activities:
  - Make final hotel selection and arrangements in coordination with the TOCOR.
  - Coordinate travel arrangements and logistics for all non-federal participant (7-10 individuals), including air travel and hotel. The contractor shall provide

TOCOR approximate cost estimates for approval before finalizing any arrangements with the participants.

- Refine list of dining options for welcome packet Airline fares for the selected participants shall reflect the most direct and least expensive economy class airfares.  
Support development and provide TOCOR with workshop materials such as the agenda, workshop information sheet, list of participants and presenter biographies, resource list and evaluation form and support materials printing and package preparation.
- Continue supporting the development and finalization of discussion questions and other meeting organizational and content preparation materials for TOCOR approval, as directed by the TOCOR. Upon final TOCOR approval and direction, the contractor shall distribute these materials to the meeting attendees.
- Send via email or regular mail, as directed by the TOCOR, workshop materials to the EPA Regional representative or meeting location (Region 4, Atlanta) and assist with mailing other workshop materials, as requested by the TOCOR.

## **9. Workshop**

- The contractor shall provide facilitation support during each workshop.
- The contractor shall provide technical support during the workshop, including for any speakers presenting online (through Adobe webinar), as stated above.
- The contractor shall deliver draft meeting summary notes taken during the meeting that includes summaries of discussions and responses to discussion questions, attendee biographies, and presentation materials, as applicable. The TOCOR will review the draft summary and provide comments to the contractor. After revising the summary based on the TOCOR's comments, the contractor shall then distribute the draft meeting summary to the speakers for review. The contractor shall discuss all comments received from the speakers with the TOCOR and produce a revised final draft summary document. The contractor shall send a copy of the final draft electronically, in the format specified, to the TOCOR. After receiving comments from the TOCOR, the contractor shall then finalize the summary report for delivery to the TOCOR. The final summary report shall be 508 compliant.

### **Sub Task 5.2.b Outreach Workshop 2**

The contractor shall provide logistics support for one Toxics Outreach Workshop. The date for this workshop is still to be determined. The tasks will be identical to the tasks outlined above, under Subtask 5.2.a. The workshop will take place in another EPA region, exact location to be determined.

### **Sub Task 5.2.c Outreach Workshop 3**

The contractor shall provide logistics support for one Toxics Outreach Workshop. The date for this workshop is still to be determined. The tasks will be identical to the tasks outlined above, under Subtask 5.2.a. The workshop will take place in another EPA region, exact location to be determined.

## **E. SCHEDULE OF BENCHMARKS & DELIVERABLES:**

<b>Task/ Subtask</b>	<b>DELIVERABLE</b>	<b>Schedule</b>
<b>1</b>	Monthly Progress Report and quality assurance	Per Contract requirements
<b>2.1</b>	<b>Information Quality Guidelines &amp; Information Quality Review</b>	Discuss with TOCOR within 20 calendar days after receipt of task order. IQG checklists due with final deliverable (can be included with QA materials).
<b>3.F</b>	<b>Criteria Documents for 24 Contaminants (4 deliverables)</b>	Due as requested by the TOCOR via written technical direction (an up to 2 TDs)
<b>3.F.1</b>	<b>Draft BAFs (30 deliverables)</b>	Due as requested by the TOCOR via written technical direction (an up to 3 TDs)
<b>3.F.1</b>	<b>Final BAFs (5 deliverables)</b>	Due as requested by the TOCOR via written technical direction
<b>3.F.1</b>	<b>Health Assessment spreadsheet/documents (6 deliverables)</b>	Due as requested by the TOCOR via written technical direction (an up to 5 TDs)
<b>3.F.1</b>	<b>GenX and PFBS Toxicity Values Documents (8 deliverables)</b>	Due as requested by the TOCOR via written technical direction (an up to 3 TDs)
<b>4</b>	<b>Presentations and Follow-up Materials (5 deliverables)</b>	Due as requested by the TOCOR via written technical direction (an up to 2 TDs)
<b>5</b>	<b>Communication Strategies</b>	Due as requested by the TOCOR via written technical direction
<b>5.1</b>	<b>Webinar, Workshop and Newsletter support</b>	TBD
<b>5.2</b>	<b>Workshop support</b>	TBD

**Draft** written deliverable(s) for review by the TOCOR shall be prepared in accordance with the schedule in the TO Schedule of Benchmarks and Deliverables.

**Final** written deliverable(s) shall be furnished in accordance with the schedule in the TO Schedule of Benchmarks and Deliverables, after written comments are received from the TOCOR.

#### General Requirements of the Task Order and Schedule

Limitation of Contractor Activities: The contractor shall submit drafts of all deliverables to the TOCOR for review prior to submission of the final product. These drafts will clearly specify the methods, procedures, considerations, assumptions, relevant citations, data sources and data that support any conclusions and recommendations. The contractor shall incorporate all TOCOR comments into all final deliverables, unless otherwise agreed upon by the TOCOR. The contractor shall adhere to all applicable EPA management control procedures as implemented by the EPA Contracting Officer (CO), CLCOR, and TOCOR.

Deliverable Formatting: All memos, draft comments, summaries and responses, and chapters are to be provided in electronic form using Word and/or Excel/Access, ArcView, or, in special cases

another software program agreed to by the TOCOR. Memos are to be written in a manner which will make them easy to conform into draft chapters for the Final Report. For deliverables that are in Word or pdf versions of Word documents, that are intended to be shared with management or the public, the contractor shall use decimal align in all tables containing columns of numbers of varying digits, whether decimal places are reported or not. All final materials, e.g., memos, chapters, etc. are to be prepared only after receiving written technical direction from the TOCOR and formatted to be in compliance with Section 508 Amendment to the Rehabilitation Act of 1973.

The Contract level COR or an authorized individual is permitted to provide technical direction. Technical direction must be within the statement of work of the contract and includes: (1) Direction to the contractor which assists the contractor in accomplishing the PWS, (2) Comments on and approval of reports or other deliverables. Technical direction will be issued in writing or confirmed in writing within five (5) calendar days after verbal issuance. One copy of the technical direction memorandum will be forwarded to the Contracting Officer and the Contract Level Contracting Officer Representative.

Work conducted under this Task Order shall not duplicate work conducted under any other Task Order or Work Assignment under any other contract. As required, the EPA TOCOR will provide technical direction in accordance with Clause H-19 of the contract, EPAAR 1552.237-71 TECHNICAL DIRECTION (AUG 2009) and the Contract Level Performance Work Statement (PWS).

Confidential Business Information: For this Task Order, the contractor shall not be accessing any Confidential Business Information (CBI).

Budget Reporting: The contractor shall report to the TOCOR and Contract Level COR (CLCOR) when 85 percent of the total budget for this Task Order has been depleted.

**TRAVEL:** Some travel is anticipated under this Task order. For cost estimate purposes, assume three one-day trips for one person from contractor location to any site nationwide (use trip to Florida to generate estimate) as identified by the TOCOR, with site visit schedules arranged to minimize travel time. All travel under this Task Order shall be in compliance with contract requirements.

**PRINTING:** All copying and printing shall be accomplished within the limitations of the printing clause of the contract.

Identification as Contracting Staff: To avoid the perception that contractor personnel are EPA employees, the contractor personnel shall be clearly identified as independent contractors of EPA when participating in events with outside parties and prior to the start of any meeting. The contractor personnel are prohibited from acting as the Agency's official representative. When speaking with the public, the contractor shall refer all interpretations of policy to the TOCOR.

Conference/Meeting Guidelines and Limitations: The EPA projects that none of the individual meetings identified in these tasks will exceed a total cost of \$20,000. The contractor shall immediately notify the EPA Contracting Officer, CL-COR and TOCOR of any anticipated individual event involving support for a meeting, conference, workshop, symposium, retreat, seminar or training

that may potentially incur \$20,000 or more in cost during performance. Conference expenses are all direct and indirect costs paid by the government and include any associated authorized travel and per diem expenses, room charges for official business, audiovisual use, light refreshments, registration fees, ground transportation and other expenses as defined by the Federal Travel Regulations. All outlays for conference preparation should be included, but the federal employee time for conference preparation should not be included. After notifying EPA of the potential to reach this threshold, the Contractor shall not proceed with the task(s) until authorized to do so by the Contracting Officer.

The EPA will assess Contractor performance in accordance with the Quality Assurance Surveillance Plan (QASP), Attachment 1 to this PWS.

**Attachments:**

1. Contract Level QASP

## ATTACHMENT 1 QUALITY ASSURANCE SURVEILLANCE PLAN

### “Technical Support for Assessing, Managing, and Communicating the Ecological and Human Health Risks of Contaminants in Water, Fish, and Sediments, and of Microbial Pathogens in Surface Waters”

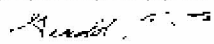
**Purpose:** The requirements performed under this contract are considered performance-based, focusing on the Agency’s desired results and outcomes. The contractor shall be responsible for determining the most effective means by which these requirements will be fulfilled. In order to fulfill the requirements, the contractor shall design innovative processes and systems that can deliver the required services in a manner that will best meet the Agency’s performance objectives. This performance-based requirement represents a challenge to the contractor to develop and apply innovative and efficient approaches for achieving results and meeting or exceeding the performance objectives, measures, and standards described below. The Contractor’s performance will be reflected in the positive or negative evaluation offered by the Agency in the Contractor Performance Evaluation (CPE) which is evaluated annually (per the “Contractor Performance Evaluation” clause in the contract). The TOCOR shall submit a complete annual review of the areas outlined in the Quality Assurance Surveillance Plan (QASP), included in the contract, which will then be utilized by the Contract Level Contracting Officer’s Representative (CL-COR) in preparing the overall evaluations submitted annually in response to the CPE requirements in the contract. The TOCOR for each individual task order will provide the review of the deliverables at the location specified in the identified task order.

General Management and Administration			
Performance Requirement	Measurable Performance Standards	Surveillance Methods	Incentives/Disincentives
<b>Management and Communications:</b> The Contractor shall maintain contact with the EPA Contracting Officer (CO), Contracting Officer’s Representative (COR), and Task Order COR (TOCOR) throughout performance of the contract and shall immediately bring potential problems to the attention of the appropriate EPA TOCOR. In cases where issues have a direct impact on project schedules and/or cost, the Contractor shall provide options for EPA’s consideration on resolving or mitigating the impacts.	Any issues that impact project schedules and/or cost shall be brought to the attention of the appropriate EPA TOCOR within 3 business days of occurrence.	100% of active task orders under the contract will be reviewed by the EPA TOCOR monthly (via Monthly Progress Report) to identify unreported issues. The EPA TOCOR will report any issues to the EPA COR, who will bring the issue(s) to the Contractor’s attention through the EPA CO.	<b>Unsatisfactory</b> rating under the category of Business Relations in the Contractors Performance Appraisal Review System (CPARS) if two or more incidents occur during an applicable period of performance when the Contractor does not meet the measurable performance standards.  Fewer than two incidents per contract period where the contractor does not meet the measurable performance standard will be considered satisfactory performance and will be reported as such in the CPARS Performance Evaluation System under the category of Business Relations.
<b>Timeliness:</b> Services and deliverables shall be in accordance with schedules	During any period of performance, 90% of all submitted	100% of active task orders under the contract will be	<b>Unsatisfactory</b> rating under the category of Timeliness in the CPARS

stated in each task orders, unless amended or modified by an approved EPA action.	deliverables shall be submitted no later than one business day past the due date.	reviewed by the EPA TOCOR monthly (via Monthly Progress Report & milestones established for each deliverable) to compare actual delivery dates against the approved delivery dates. The EPA TOCOR will report any issues to the EPA COR, who will bring the issue(s) to the Contractor's attention through the EPA CO.	<p>when the Contractor does not meet the measurable performance standards during an applicable period of performance.</p> <p>A satisfactory rating will be reported in the CPARS Performance Evaluation System under the category of <b>Timeliness</b> if the contractor meets the measurable performance standards.</p>
<p><b>Cost Management and Control:</b></p> <p>The Contractor shall monitor, track and accurately report level-of-effort, labor cost, and other direct cost to EPA through progress reports and approved special reporting requirements.</p> <p>The Contractor shall assign appropriately leveled and skilled personnel to all tasks, practice and encourage time management, and ensure accurate and appropriate timekeeping.</p>	The Contractor shall manage costs to the level of the approved ceiling on the task orders. The Contractor shall notify the EPA TOCOR/COR when 75% of the approved funding ceiling for the work assignment is reached.	The EPA COR will routinely meet with the Contractor's Project Manager to discuss the work progress, and the contract and individual task order expenditures. The EPA COR shall review the Contractor's Monthly Progress Reports and request the TOCOR's verification of expenditures and technical progress before authorizing invoice payments.	<p><b>Unsatisfactory</b> rating under the category of Cost Control in the CPARS when the Contractor does not meet the measurable performance standards during an applicable period of performance.</p> <p>A satisfactory rating will be reported in the CPARS Performance Evaluation System under the category of Cost Control if the contractor meets the measurable performance standards and accurately reports the costs in the progress reports according to the requirements in the "Reports of Work" attachment to the Contract.</p>
<p><b>Technical Effort:</b></p> <p>The analyses or products developed by the Contractor shall be factual, defensible, and based on sound science and engineering. All data shall be collected from reputable sources; quality assurance measures shall be conducted in accordance with contract and Agency requirements, and any additional requirements outlined in individual task orders or technical directives. Any work requiring the Contractor to provide options or recommendations shall</p>	All (100%) analyses conducted for EPA by the Contractor must be factual and based on sound science and engineering. All analyses and products (initial and final drafts) shall conform in format and content to requirements specified by the TOCOR in written	EPA will review all analyses conducted and products prepared by the Contractor and will independently consider their merit. EPA may opt to peer review analyses to further validate their merit.	<p><b>Unsatisfactory</b> rating under the category of Quality of Product or Service in the CPARS when the Contractor does not meet the measurable performance standards during an applicable period of performance, even after review input and follow up discussion by Agency personnel.</p> <p>A satisfactory rating will be reported in the CPARS</p>

include the rationale used in selecting the option/recommendation and all other options and recommendations considered.	technical direction, and should meet the objectives stated in the task order. All initial draft documents shall be clearly written at a level appropriate to the targeted audience. All information shall be factual, technically sound, and accurate, with data sources identified.		Performance Evaluation System under the category of <b>Quality of Product or Service</b> if the contractor meets the measurable performance standards.
<p><b>Quality Assurance/Quality Control (QA/QC):</b> The Contractor shall comply with the quality assurance requirements specified in <i>EPA Requirements for Quality Assurance Project Plans</i> (<a href="http://www.epa.gov/quality/qs-docs/r5-final.pdf">http://www.epa.gov/quality/qs-docs/r5-final.pdf</a>) and as required by the EPA TOCOR. The Contractor shall assign appropriately leveled and skilled technical and quality assurance personnel to develop a Quality Assurance Project Plan (QAPP) for all tasks requiring collection or use of environmental data.</p> <p>The QAPP shall be developed in consultation with the EPA TOCOR, and fully approved by the appropriate EPA personnel, before initiation of activities involving environmental data collection or use.</p> <p>Any change in the planned environmental data activities that become necessary during the course of the project shall be fully documented in approved revised versions of the QAPP prior to their implementation.</p>	<p>The Contractor shall notify the EPA TOCOR of any issues that impact project quality within 3 business days of occurrence.</p> <p>The Contractor shall notify the EPA TOCOR and COR within 5 business days of occurrence of any requests to collect or use environmental data without an EPA-approved QAPP.</p> <p>The Contractor shall document all QA/QC activities, including compliance with the quality objectives specified in the QAPP, in Monthly Progress Reports.</p>	100% of active task orders under the contract will be reviewed by the EPA TOCOR monthly (via Monthly Progress Report) to assess contractor compliance with the approved QAPP, and to identify unreported issues related to project quality and requests to collect or use environmental data without an EPA-approved QAPP. The EPA TOCOR will report any issues to the EPA QAO and COR, who will bring the issue(s) to the Contractor's attention through the EPA CO for immediate resolution.	<p><b>Unsatisfactory</b> rating under the category of Quality Assurance/Quality Control in the CPARS if more than three incidents occur during an applicable period of performance when the Contractor does not meet the measurable performance standards.</p> <p>A satisfactory rating will be reported in the CPARS Performance Evaluation System under the category of Quality Assurance/Quality Control if the contractor meets the measurable performance standards.</p>



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1      2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00001		See Block 16C					
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
TETRA TECH, INC. Attn: Andrew Parker 10306 EATON PL STE 340 FAIRFAX VA 220302201							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				68HERC20D0016			
				68HERC20F0183			
				10B. DATED (SEE ITEM 13)			
				03/30/2020			
CODE 198549560		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 198549560							
TOCOR: Shamina Akhter Max Expire Date: 12/02/2024 Invoice Approver: Shamina Akhter Alt							
Invoice App: Lesley DAnglada							
The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Gerold D. Young			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
				 ELECTRONIC SIGNATURE (Signature of Contracting Officer)		09/23/2020	
(Signature of person authorized to sign)							

Previous edition unusable

NAME OF OFFEROR OR CONTRACTOR  
TETRA TECH, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 03/30/2020 to 03/29/2021				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE		PAGE	OF	PAGES
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020	4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)		
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE		
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code)  To All EPA Contractors			<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER		
			<input type="checkbox"/>		9B. DATED (SEE ITEM 11)		
			<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders		
			<input type="checkbox"/>		10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE					

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
 (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;  
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.  
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

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## **52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.**

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

### **Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)**

(a) Definitions. As used in this clause—

*Backhaul* means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

*Covered foreign country* means The People's Republic of China.

*Covered telecommunications equipment or services* means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

*Critical technology* means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

*Interconnection arrangements* means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

*Reasonable inquiry* means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

*Roaming* means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

*Substantial or essential component* means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00002		See Block 16C		PR-OW-21-00393			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x) 9A. AMENDMENT OF SOLICITATION NO.			
TETRA TECH, INC. Attn: Andrew Parker 10306 EATON PL STE 340 FAIRFAX VA 220302201							
				9B. DATED (SEE ITEM 11)			
				x 10A. MODIFICATION OF CONTRACT/ORDER NO.			
				68HERC20D0016			
				68HERC20F0183			
				10B. DATED (SEE ITEM 13)			
				03/30/2020			
CODE 198549560		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Decrease:		-\$62,492.07	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) FAR 4.804-5 Close Out; IAW Contractor's Release of Claims						
<b>E. IMPORTANT:</b> Contractor <input type="checkbox"/> is not <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 198549560							
TOCOR: Shamina Akhter Max Expire Date: 12/02/2024 Invoice Approver: Shamina Akhter Alt							
Invoice App: Lesley DAnglada							
The purpose of modification P00002 is to:							
1. Change the Contracting Officer and Buyer from Gerold Young and Matthew Huber to Kimberly F. Loesch.							
2. Reduce the total amount of the task order by \$216,383.96 from \$459,306.65 to \$242,922.69.							
3. Reduce the obligated amount for this task order by \$62,492.07 from \$305,414.76 to \$242,922.69							
4. Close out this order.							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
John N. Hochheimer Vice President				Kimberly F. Loesch			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
 (Signature of person authorized to sign)		6-9-21		 (Signature of Contracting Officer)		06/09/2021	
Previous edition unusable				STANDARD FORM 30 (REV. 11/2016) Prescribed by GSA FAR (48 CFR) 53.243			



NAME OF OFFEROR OR CONTRACTOR  
TETRA TECH, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>CHANGES FOR ACCOUNTING CODE: 20-21-B-28H-000B53X28-2505-2028CHH006-003 Amount changed from \$81,830.79 to \$19,338.72</p> <p>Period of Performance: 03/30/2020 to 03/29/2021</p>				

<b>CONTRACTOR'S RELEASE</b> UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460	CONTRACT NO. <b>68HERC20D0016, Task Order 68HERC20F0183</b>		
	TOTAL OF AMOUNTS PAID AND PAYABLE <b>\$242,922.69</b>		
Pursuant to the contract and the sum specified hereon, which sum has been paid to the Contractor, identified at the right (or to the Contractor's assignees, if any), the Contractor, upon payment of the said sum by the UNITED STATES OF AMERICA, herein- after called the Government, does remise, release, and discharge the Government, its officers, agents, and employees, of and from all liabilities, obligations, claims, and demands whatsoever under or arising from the said contract, except:	CONTRACTOR'S NAME AND ADDRESS Tetra Tech, Inc. 10306 Eaton Place, Suite 340 Fairfax, VA 22030-2201		
1. Specified claims in stated amounts (or in estimated amounts where the amounts are not susceptible of exact statement by the Contractor). <span style="float: right;">→</span>	AMOUNT(S) CLAIMED <i>(if none, so state)</i> <div style="text-align: right;">\$ None</div>		
2. Claims, together with reasonable expenses incidental thereto, based upon the liabilities of the Contractor to third parties arising out of the performance of the said contract, which are not known to the Contractor on the date of the execution of this release and of which the Contractor gives notice in writing to the Contracting Officer within the period specified in the said contract.	<div style="text-align: right;">\$</div> <div style="text-align: right;">\$</div> <div style="text-align: right;">\$</div>		
3. Claims for reimbursement of costs other than expenses of the Contractor by reason of its indemnification of the Government against patent liability, including reasonable expenses incidental thereto, incurred by the Contractor under the provisions of the said contract relating to patents.	IN WITNESS WHEREOF, this release is hereby executed. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 2px;">           TYPED NAME AND TITLE OF EXECUTING OFFICIAL  <b>John N. Hochheimer, Vice President</b> </td> <td style="width: 20%; padding: 2px;">           DATE OF EXECUTION  <b>5/17/21</b> </td> </tr> </table>	TYPED NAME AND TITLE OF EXECUTING OFFICIAL <b>John N. Hochheimer, Vice President</b>	DATE OF EXECUTION <b>5/17/21</b>
TYPED NAME AND TITLE OF EXECUTING OFFICIAL <b>John N. Hochheimer, Vice President</b>	DATE OF EXECUTION <b>5/17/21</b>		
The Contractor agrees, in connection with patent matters and with claims which are not released as set forth above, that it will comply with all of the provisions of the said contract, including without limitation those provisions relating to notification to the Contracting Officer and relating to the defense or prosecution of litigation.	SIGNATURE OF EXECUTING OFFICIAL  SIGNATURE OF WITNESS  SIGNATURE OF WITNESS		
<b>NOTE: For a corporation, witnesses are not required, but the certificate below must be completed</b>			
<b>CERTIFICATE</b>			
For the corporation identified as the Contractor in the foregoing release, I certify that:	NAME OF CERTIFYING OFFICIAL <input checked="" type="checkbox"/> Andrew R. Parker		
I hold this office in the corporation; <span style="float: right;">→</span>	TITLE OF CERTIFYING OFFICIAL <input checked="" type="checkbox"/> Vice President		
And that the person who signed said release on behalf of the contractor then held this office in the corporation; <span style="float: right;">→</span>	NAME AND TITLE OF EXECUTING OFFICIAL <b>John N. Hochheimer, Vice President</b>		
And that said release was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.	SIGNATURE OF CERTIFYING OFFICIAL 		
(CORPORATE SEAL)			